

Exhibit B 1/3

CLUSTAL W (1.83) multiple sequence alignment

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SEQID18      MLLLPLLP-VLLCVSVSVSSSGSQTC---EDTLKTCS-VIAC-----GRDGR---DG 43
SEQID27      MLLLPLLP-VLLCVSVSVSSSGSQTC---EDTLKTCS-VIAC-----GRDGR---DG 43
SEQID3       MLLLPLLP-VLLCVSVSVSSSGSQTC---EDTLKTCS-VIAC-----GRDGR---DG 43
SEQID15      MLLLPLLP-VLLCVSVSVSSSGSQTC---EDTLKTCS-VIAC-----GRDGR---DG 43
SEQID28      MLLLPLL--VLLCVSVSVSSSGSQTC---EETLKTCS-VIAC-----GRDGR---DG 42
SEQID19      MSIFTSF--LLLCVVTVVYAETLT----EGVQNSCP-VVTCSSPGLNGFPGKDGR---DG 50
SEQID26      MSIFTSF--LLLCVVTVVYAETLT----EGVQNSCP-VVTCSSPGLNGFPGKDGR---DG 50
SEQID2       MSIFTSF--LLLCVVTVVYAETLT----EGVQNSCP-VVTCSSPGLNGFPGKDGR---DG 50
SEQID29      MSLFTSF--LLLCVLTAVYAETLT----EGAQSSCP-VIACSSPGLNGFPGKDGH---DG 50
SEQID30      MSLFPSLPLLLLSMVAASYSETVTC---EDAQKTCPAVIACSSPGLNGFPGKDGR---DG 54
SEQID34      MSLFPSLPLLLLSMVAASYSETVTC---EDAQKTCPAVIACSSPGLNGFPGKDGR---DG 54
SEQID33      MSLFPSLPLLLLSMVAASYSETVTC---EDAQKTCPAVIACSSPGLNGFPGKDGR---DG 54
SEQID38      MSLFPSLPLLLLSMVAASYSETVTC---EDAQKTCPAVIACSSPGLNGFPGKDGR---DG 54
SEQID37      MSLFPSLPLLLLSMVAASYSETVTC---EDAQKTCPAVIACSSPGLNGFPGKDGR---DG 54
SEQID8       MSLFPSLPLLLLSMVAASYSETVTC---EDAQKTCPAVIACSSPGLNGFPGKDGR---DG 54
SEQID9       MSLFPSLPLLLLSMVAASYSETVTC---EDAQKTCPAVIACSSPGLNGFPGKDGR---DG 54
SEQID35      MSLFPSLPLLLLSMVAASYSETVTC---EDAQKTCPAVIACSSPGLNGFPGKDGR---DG 54
SEQID36      MSLFPSLPLLLLSMVAASYSETVTC---EDAQKTCPAVIACSSPGLNGFPGKDGR---DG 54
SEQID32      MSLFPSLPLLLLSMVAASYSETVTC---EDAQKTCPAVIACSSPGLNGFPGKDGC---DG 54
SEQID24      MTLQPFSAALLCLSLMMATSLTLDKPEEKMYSCP-IIQCSAPAVNGLPGRDGR---DG 56
SEQID25      MTLQPFSAALLCLSLMMATSLTLDKPEEKMYSCP-IIQCSAPAVNGLPGRDGR---DG 56
SEQID21      -----LQLQFALQLLDGAE---PQNLNCPAYGGVPGTPGHNGLPGRDGRDGDG 47
SEQID23      MALFKLFLGTLQLLQFALQLLDGAE---PQNLNCPAYGGVPGTPGHNGLPGRDGRDGDG 57
SEQID22      MALLKLFLGALLLQLVLQLMAGAAD--PQSLNCPAYAGVPGTPGHNGLPGRDGRVGRDG 58
SEQID40      MALLKLFLGALLLQLVLQLMAGAAD--PQSLNCPAYAGVPGTPGHNGLPGRDGRVGRDG 58
SEQID16      ---MEKLAILLLLSASIALG----- 17
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SEQID18      PKGEKGEPGQGLRGLQGPPGKLGPPGSGVSGSPGPGKGQKGDHGDNR--AIEEKLAMEA 101
SEQID27      PKGEKGEPGQGLRGLQGPPGKLGPPGSGVSGSPGPGKGQKGDHGDNR--AIEEKLAMEA 101
SEQID3       PKGEKGEPGQGLRGLQGPPGKLGPPGSGVSGSPGPGKGQKGDHGDNR--AIEEKLAMEA 101
SEQID15      PKGEKGEPGQGLRGLQGPPGKLGPPGSGVSGSPGPGKGQKGDHGDNR----- 101
SEQID28      PKGEKGEPGQGLRGLQGPPGKLGPPGSGVSGSPGPGKGQKGDHGDNR--AIEEKLAMEA 100
SEQID19      AKGEKGEPGQGLRGLQGPPGKVGPTGPPGNPGLKGAVGPKGDRGDR---AEFDTSEIDS 106
SEQID26      AKGEKGEPGQGLRGLQGPPGKVGPTGPPGNPGLKGAVGPKGDRGDR---AEFDTSEIDS 106
SEQID2       AKGEKGEPGQGLRGLQGPPGKVGPTGPPGNPGLKGAVGPKGDRGDR---AEFDTSEIDS 106
SEQID29      AKGEKGEPGQGLRGLQGPPGKVGPTGPPGNPGLKGAVGPKGDRGDR---AEFDTSEIDS 106
SEQID30      TKGEKGEPGQGLRGLQGPPGKLGPPGNPGLKGAVGPKGDRGDR---AEFDTSEIDS 106
SEQID34      TKGEKGEPGQGLRGLQGPPGKLGPPGNPGLKGAVGPKGDRGDR---AEFDTSEIDS 106
SEQID33      TKGEKGEPGQGLRGLQGPPGKLGPPGNPGLKGAVGPKGDRGDR---AEFDTSEIDS 106
SEQID38      TKGEKGEPGQGLRGLQGPPGKLGPPGNPGLKGAVGPKGDRGDR---AEFDTSEIDS 106
SEQID37      TKGEKGEPGQGLRGLQGPPGKLGPPGNPGLKGAVGPKGDRGDR---AEFDTSEIDS 106
SEQID8       TKGEKGEPGQGLRGLQGPPGKLGPPGNPGLKGAVGPKGDRGDR---AEFDTSEIDS 106
SEQID9       TKGEKGEPGQGLRGLQGPPGKLGPPGNPGLKGAVGPKGDRGDR---AEFDTSEIDS 106
SEQID35      TKGEKGEPGQGLRGLQGPPGKLGPPGNPGLKGAVGPKGDRGDR---AEFDTSEIDS 106
SEQID36      TKGEKGEPGQGLRGLQGPPGKLGPPGNPGLKGAVGPKGDRGDR---AEFDTSEIDS 106
SEQID32      TKGEKGEPGQGLRGLQGPPGKLGPPGNPGLKGAVGPKGDRGDR---AEFDTSEIDS 106
SEQID24      PKGEKGDPGGLRGLQGLPGKAGPQGLKGEVGPQGEKGQKGERGIVTDDLHRQITDLEA 116
SEQID25      PKGEKGDPGGLRGLQGLPGKAGPQGLKGEVGPQGEKGQKGERGIVTDDLHRQITDLEA 116
SEQID21      AIGPKGEKGESGVSVQPPGKAGPPGTAGEKGERGSPGSGPGSE-----SVLESLKS 101
SEQID23      AIGPKGEKGESGVSVQPPGKAGPPGTAGEKGERGSPGSGPGSE-----SVLESLKS 111
SEQID22      ANGPKGEKGEPGVNVQPPGKAGPPGTAGEKGERGSPGSGPGSE-----SVLESLKS 109
SEQID40      ANGPKGEKGEPGVNVQPPGKAGPPGTAGEKGERGSPGSGPGSE-----SVLESLKS 109
SEQID16      -----DANLTQLLGLLEPLLKTKVEQTTP-----EA 42
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SEQID18	EIRILKSKLQLTNKLHAFSMGKKSGKKLFVTNHEKMPFSKVSKLCTELQGTVAIPRNAEE	161
SEQID27	EIRILKSKLQLTNKLHAFSMGKKSGKKLFVTNHEKMPFSKVSKLCTELQGTVAIPRNAEE	161
SEQID3	EIRILKSKLQLTNKLHAFSMGKKSGKKLFVTNHEKMPFSKVSKLCTELQGTVAIPRNAEE	161
SEQID15	XXXXXXXXXXXXXXXXHAFSMGKKSGKKLFVTNHEKMPFSKVSKLCTELQGTVAIPRNAEE	161
SEQID28	EINTLKSLELTNKLHAFSMGKKSGKKFFVTNHERMPFSKVSKLCTELQGTVAIPRNAEE	160
SEQID19	EIAALRSELRALRNWVLFSLSEKVGKKYFVSSVKKMSLDRVKALCSEFQGSVATPRNAEE	166
SEQID26	EIAALRSELRALRNWVLFSLSEKVGKKYFVSSVKKMSLDRVKALCSEFQGSVATPRNAEE	166
SEQID2	EIAALRSELRALRNWVLFSLSEKVGKKYFVSSVKKMSLDRVKALCSEFQGSVATPRNAEE	166
SEQID29	EIAALRSELRAMRKWVLLSMSENVGKKYFMSSVRRMPLNRAKALCSELQGTVAIPRNAEE	166
SEQID30	ERKALQTEMARIKKWLTFSLGKQVGNKFFLTNGEIMTFEKKVLCVKFQASVATPRNAEE	170
SEQID34	ERKALQTEMARIKKWLTFSLGKQVGNKFFLTNGEIMTFEKKVLCVKFQASVATPRNAEE	170
SEQID33	ERKALQTEMARIKKWLTFSLGKQVGNKFFLTNGEIMTFEKKVLCVKFQASVATPRNAEE	170
SEQID38	ERKALQTEMARIKKWLTFSLGKQVGNKFFLTNGEIMTFEKKVLCVKFQASVATPRNAEE	170
SEQID37	ERKALQTEMARIKKWLTFSLGKQVGNKFFLTNGEIMTFEKKVLCVKFQASVATPRNAEE	170
SEQID8	ERKALQTEMARIKKWLTFSLGKQVGNKFFLTNGEIMTFEKKVLCVKFQASVATPRNAEE	170
SEQID9	ERKALQTEMARIKKWLTFSLGKQVGNKFFLTNGEIMTFEKKVLCVKFQASVATPRNAEE	170
SEQID35	ERKALQTEMARIKKWLTFSLGKQVGNKFFLTNGEIMTFEKKVLCVKFQASVATPRNAEE	170
SEQID36	ERKALQTEMARIKKWLTFSLGKQVGNKFFLTNGEIMTFEKKVLCVKFQASVATPRNAEE	170
SEQID32	ERKALQTEMARIKKWLTFSLGKQVGNKFFLTNGEIMTFEKKVLCVKFQASVATPRNAEE	170
SEQID24	KIRVLEDDLSRYKKALSCLKDVNVGKKMFVSTGKKYNFEKGKSLCAKAGSVLASPRNEAE	176
SEQID25	KIRVLEDDLSRYKKALSCLKDVNVGKKMFVSTGKKYNFEKGKSLCAKAGSVLASPRNEAE	176
SEQID21	EIQQLKAKIATFEKVSSVCHFRKVGQKYYITDGVVGNFDQGLKSCMEFGGTMVSPRTSAE	161
SEQID23	EIQQLKAKIATFEKVASVGHFRQVGQKYYITDGVVGTDFDQGLKFCCKDFGGTMVFPRTSAE	171
SEQID22	ELQKLSDKIALIEKVVNFKTFKKVGQKYYVTDDEETFDKGMQYCSSNGGALVLPRTLEE	169
SEQID40	ELQKLSDKIALIEKVVNFKTFKKVGQKYYVTDDEETFDKGMQYCSSNGGALVLPRTLEE	169
SEQID16	QVEAVQEGIK---EGSCPSDWYTYGSHCFKFSIQQSFDSEQNCLALGGNLASVHSLLE	99

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SEQID18	NKAIQEVAT-----GIAFLGITDEATEGQFMYVTGGRLTYSNWKKDEPNNHGSGEDCVI	215
SEQID27	NKAIQEVAT-----GIAFLGITDEATEGQFMYVTGGRLTYSNWKKDEPNNHGSGEDCVI	215
SEQID3	NKAIQEVAT-----GIAFLGITDEATEGQFMYVTGGRLTYSNWKKDEPNNHGSGEDCVI	215
SEQID15	NKAIQEVAT-----GIAFLGITDEATEGQFMYVTGGRLTYSNWKKDEPNNHGSGEDCVI	215
SEQID28	NKAIQEVAK-----TSAFLGITDEVTEGQFMYVTGGRLTYSNWKKDEPNNDHSGGEDCVT	214
SEQID19	NSAIQKVAK-----DIAYLGITDVRVEGSFEDLTGNRVRYTNWNDGEPNNTGDGEDCVV	220
SEQID26	NSAIQKVAK-----DIAYLGITDVRVEGSFEDLTGNRVRYTNWNDGEPNNTGDGEDCVV	220
SEQID2	NSAIQKVAK-----DIAYLGITDVRVEGSFEDLTGNRVRYTNWNDGEPNNTGDGEDCVV	220
SEQID29	NRAIQNVAK-----DVAFLGITDQRTENVFEDLTGNRVRYTNWNEGEPNNVSGSNGCVV	220
SEQID30	NGAIQNLIK-----EEAFLGITDEKTEGQFVDLTGNRLTYTNWNEGEPNNAGSDEDCVL	224
SEQID34	NGAIQNLIK-----EEAFLGITDEKTEGQFVDLTGNRLTYTNWNEGEPNNAGSDEDCVL	224
SEQID33	NGAIQNLIK-----EEAFLGITDEKTEGQFVDLTGNRLTYTNWNEGEPNNAGSDEDCVL	224
SEQID38	NGAIQNLIK-----EEAFLGITDEKTEGQFVDLTGNRLTYTNWNEGEPNNAGSDEDCVL	224
SEQID37	NGAIQNLIK-----EEAFLGITDEKTEGQFVDLTGNRLTYTNWNEGEPNNAGSDEDCVL	224
SEQID8	NGAIQNLIK-----EEAFLGITDEKTEGQFVDLTGNRLTYTNWNEGEPNNAGSDEDCVL	224
SEQID9	NGAIQNLIK-----EEAFLGITDEKTEGQFVDLTGNRLTYTNWNEGEPNNAGSDEDCVL	224
SEQID35	NGAIQNLIK-----EEAFLGITDEKTEGQFVDLTGNRLTYTNWNEGEPNNAGSDEDCVL	224
SEQID36	NGAIQNLIK-----EEAFLGITDEKTEGQFVDLTGNRLTYTNWNEGEPNNAGSDEDCVL	224
SEQID32	NGAIQNLIK-----EEAFLGITDEKTEGQFVDLTGNRLTYTNWNEGEPNNAGSDEDCVL	224
SEQID24	NTALKDLIDPS----SQAYIGISDAQTEGRFMYLSGGPLTYSNWKPGEPNNHKN-EDCAV	231
SEQID25	NTALKDLIDPS----SQAYIGISDAQTEGRFMYLSGGPLTYSNWKPGEPNNHKN-EDCAV	231
SEQID21	NQALLKLVVSSGLGSKKPYIGVTDRETEGQFVDTEGKQLTFTNWGPGQPDDYKGLQDCGV	221
SEQID23	NQALLKLVVSSGLGSKKPYIGVTDRETEGQFVDTEGKQLTFTNWGPGQPDDYKGLQDCGV	231
SEQID22	N-ALLKVVFVSS--AFKRLFIRITDREKEGEFVDTRKKLFTFTNWGPNQPDNYKGAQDCGA	226
SEQID40	N-ALLKVVFVSS--AFKRLFIRITDREKEGEFVDTRKKLFTFTNWGPNQPDNYKGAQDCGA	226
SEQID16	YQFMQALTKDANGHLHSTWLGGFDAIKEGTWMSDGSRFDYTNWDTDEPNNAGEDCLH	159

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SEQID18	ILDN--GLWNDISCQAS-FKAVCEFPA-	239
SEQID27	ILDN--GLWNDISCQAS-FKAVCEFPA-	239
SEQID3	ILDN--GLWNDISCQAS-FKAVCEFPA-	239

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SEQID15	ILDN--GLWNDISCQAS-FKAVCEFFA-	239
SEQID28	IVDN--GLWNDISCQAS-HTAVCEFFA-	238
SEQID19	ILGN--GKWNDVPCSDS-FLAICEFSD-	244
SEQID26	ILGN--GKWNDVPCSDS-FLAICEFSD-	244
SEQID2	ILGN--GKWNDVPCSDS-FLAICEFSD-	244
SEQID29	LLTN--GKWNDVPCSDS-FLVVCEFS-	244
SEQID30	LLKN--GQWNDVPCSTS-HLAVCEFPI-	248
SEQID34	LLKN--GQWNDVPCSTS-HLAVCEFPI-	248
SEQID33	LLKN--GQWNDVPCSTS-HLAVCEFPI-	248
SEQID38	LLKN--GQWNDVPCSTS-HLAVCEFPI-	248
SEQID37	LLKN--GQWNDVPCSTS-HLAVCEFPI-	248
SEQID8	LLKN--GQWNDVPCSTS-HLAVCEFPI-	248
SEQID9	LLKN--GQWNDVPCSTS-HLAVCEFPI-	248
SEQID35	LLKN--GQWNDVPCSTS-HLAVCEFPI-	248
SEQID36	LLKN--GQWNDVPCSTS-HLAVCEFPI-	248
SEQID32	LLKN--GQWNDVPCSTS-HLAVCEFPI-	248
SEQID24	IEDS--GKWNDLDCSNSNIFIICEL---	254
SEQID25	IEDS--GKWNDLDCSNSNIFIICEL---	254
SEQID21	IEDT--GLWDDGGCGDI-RPIMCEIDIK	246
SEQID23	IEDS--GLWDDGSCGDI-RPIMCEIDNK	256
SEQID22	IADS--GLWDDVSCDSL-YPIICEIEIK	251
SEQID40	IADS--GLWDDVSCDSL-YPIICEIEIK	251
SEQID16	MNAASAKLWFDVPCWK-FASLCSSRM-	185

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